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**TOURS VICE-CHAIRMAN**  
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**INFORMATION VICE-CHAIRMAN**  
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**HOUSING**  
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**AWARDS**  
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**DEPARTMENTAL CHAIRMAN**

*Senior Chairmen*

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NAUTICAL ENGINEERING**

Robert Hellweg

**AGRICULTURAL ENGINEERING**

Lyle Stephens

**ARMY**

Roy F. Slowinski

**ARNOLD AIR SOCIETY — USAF**

Reuel Roberts

**CERAMIC ENGINEERING**

John DeLuca

**CHEMICAL ENGINEERING**

Bruce Kirstein

**CIVIL ENGINEERING**

Alfred Vermiglio

**ELECTRICAL ENGINEERING**

Forrest A. Green

**GENERAL ENGINEERING**

Ronald Kessner

**MECHANICAL ENGINEERING**

Dan Danko

**MINING, METALLURGY,**

**AND PETROLEUM ENGINEERING**

Les Kramer

**NAVAL R.O.T.C.**

Fred Bergner

**THEORETICAL AND APPLIED**

**MECHANICS**

Michael L. Roller

**PHYSICS**

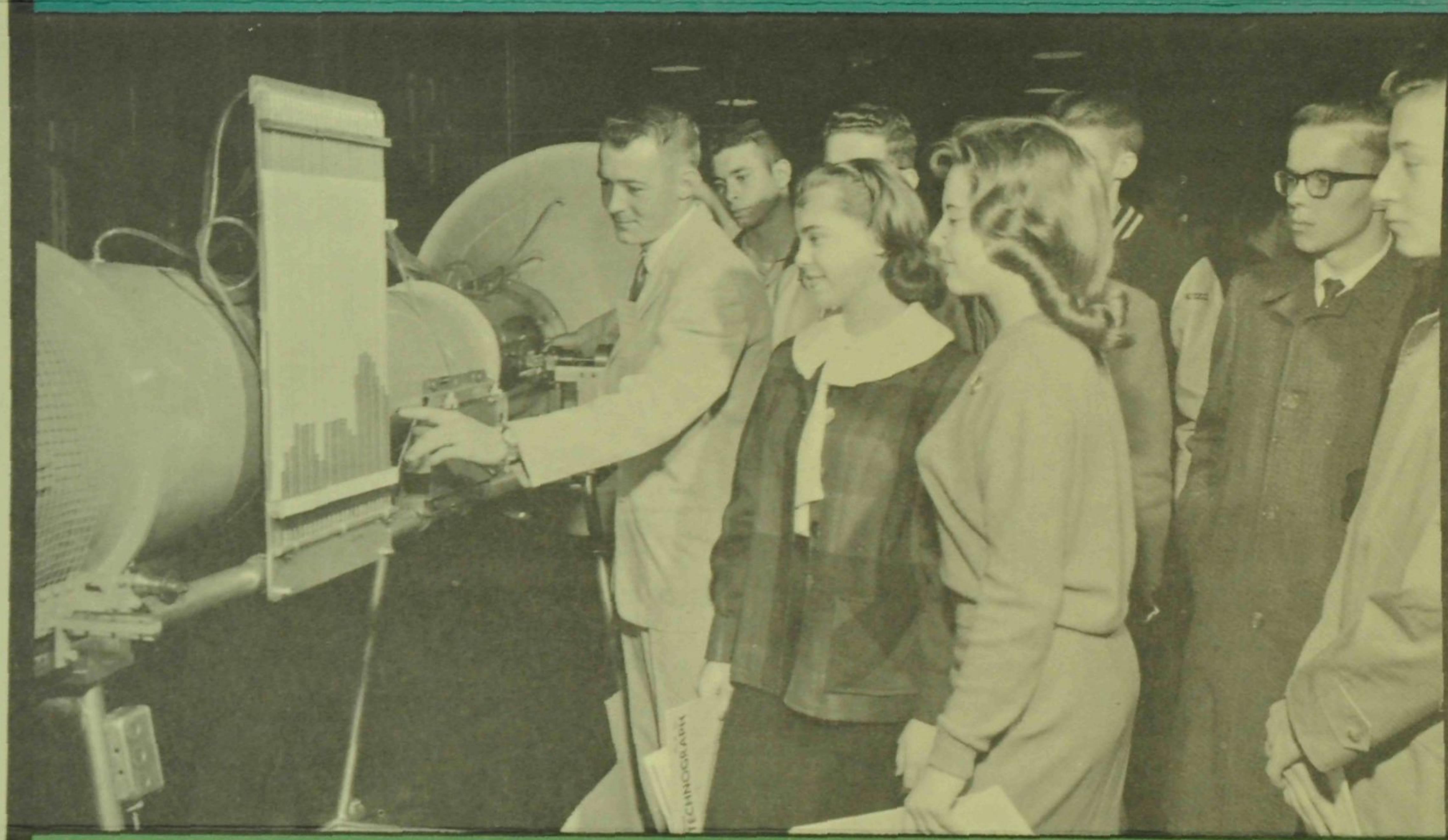
Bill Edelstein

12 March 1965

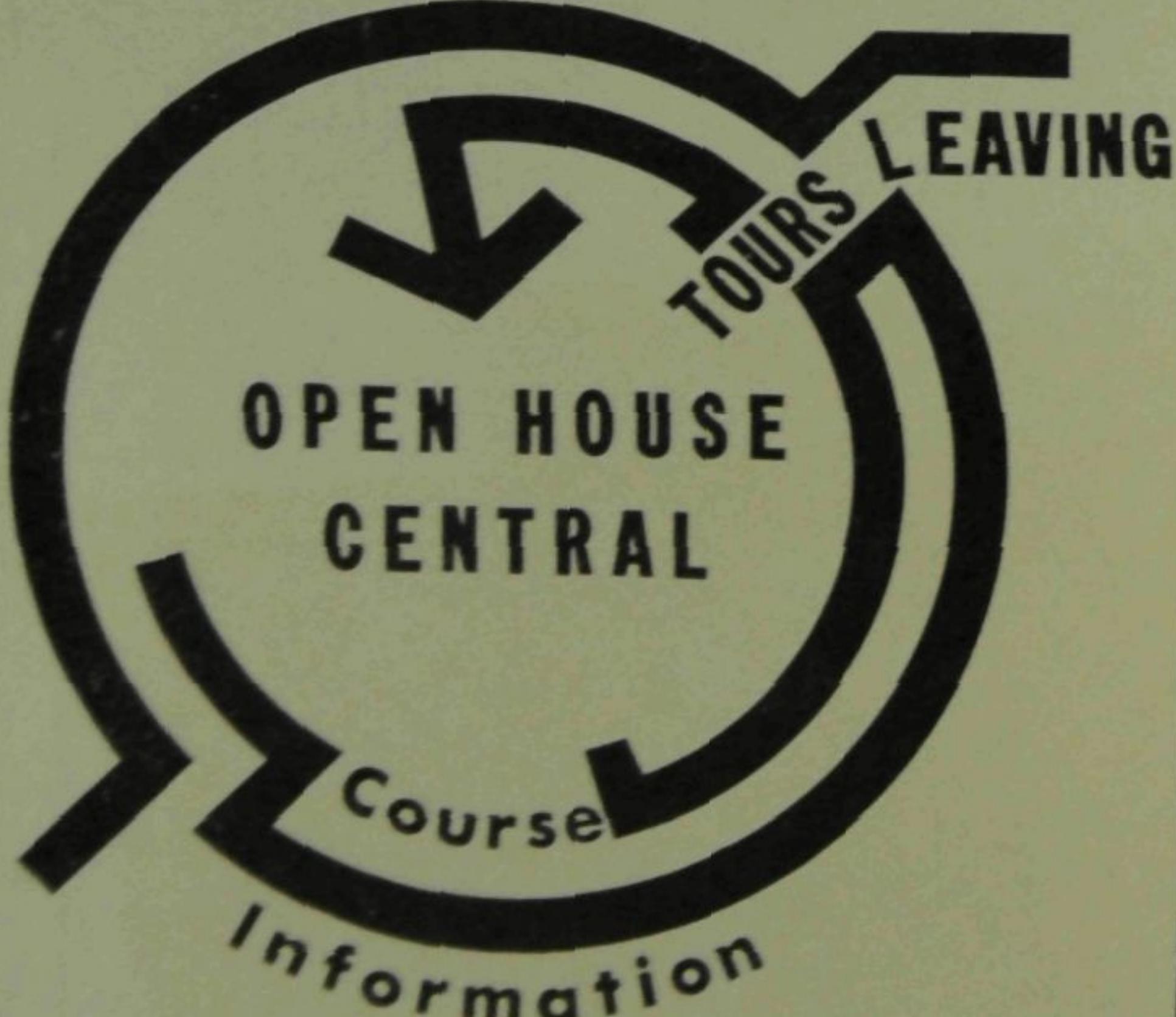
**WELCOME TO OPEN HOUSE**

On behalf of the staff of the College of Engineering, I add my welcome to that of the students for our visitors to the 1965 Open House of the College of Engineering. This is an activity which is planned and managed by our student body, supported by not only the faculty of the College of Engineering but the entire University. We are proud of our College, our University, and our profession, and want you to know more about them. Engineering has been officially defined as "the profession in which the knowledge of the mathematical and natural sciences gained by study, experience and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind." This definition is quite a mouthful, but every word in it has an important meaning. The displays and information centers have been designed with particular attention to telling high school students more about engineers and engineering, particularly the program of the University of Illinois for preparing its students to enter the profession. We are eager to answer your questions, either during the time you are here on the campus, or if you wish to write to us at some later date. Perhaps you will learn from your visit something about the excitement and the sense of mission which motivates us.

W. L. Everitt  
Dean



**1965  
ENGINEERING  
OPEN HOUSE**  
March 12, 10 AM to 10 PM · March 13, 9 AM to 5 PM  
**UNIVERSITY OF ILLINOIS**



## ILLINI UNION

Open House Central

### ELECTRICAL ENGINEERING BUILDING

R. F. Plasma Torch  
Sonar Demonstration  
G-20 Computer  
U. of I. Train  
Integrated Circuits  
Radio Controlled Ball  
Magnetic Cannon  
Goubau Beam

### ARNOLD AIR SOCIETY ENGINEERING OPPORTUNITIES

Air Force R.O.T.C. Systems Display

### TALBOT LABORATORY

#### CIVIL ENGINEERING

Quick Sand Demonstration  
Soil Sampling Devices  
Structure Settlement

#### THEORETICAL AND APPLIED MECHANICS

Fluid Mechanics and Hydraulics  
Materials Testing  
Flow and Fracture of Metals  
Stress Analysis

### AGRICULTURAL ENGINEERING

Model of a Watershed  
Strain Gauged Truss  
Machinery Display and Demonstration  
Farmstead Automation

### DEPARTMENT OF COMPUTER SCIENCE

### FOUNDRY AND WOODSHOP

CIVIL ENGINEERING  
Surveying Display

MECHANICAL ENGINEERING  
Pouring of Aluminum Souvenirs

### AERONAUTICAL ENGINEERING

#### LABORATORY B

Plasma Jet  
Propane Rocket  
Subsonic Wind Tunnel with Wing  
Orbits and Trajectories  
Crypto Compressor  
Industrial Displays

### ENGINEERING RESEARCH LABORATORY

7094 Computer

### MECHANICAL ENGINEERING LABORATORY

Equipment Display  
Vanishing Liquid

### TRANSPORTATION BUILDING

#### GENERAL ENGINEERING

Trane Corporation Sales Exhibit  
Drawings by Computer  
Hospitality Room  
Counseling Service  
International Harvester Management Exhibit

### AERONAUTICAL ENGINEERING

#### LABORATORY A

Subsonic Wind Tunnel

### CERAMICS BUILDING

Frit Pots in Operation  
Pushing Spark Plugs Through Steel  
Glass and Enamel Products  
Ceramic Photocell

### MECHANICAL ENGINEERING BUILDING

#### MECHANICAL ENGINEERING

Internal Combustion Engine  
Welding Equipment  
Machine Design  
Analog Computer

#### NAVAL R.O.T.C.

Models of Phantom II, Mercury, Gemini

#### ARMY CORPS OF ENGINEERS DISPLAY

### PHYSICS BUILDING

#### PHYSICS

Electron Optics  
Teaching Vacuum Techniques

#### JUNIOR ENGINEERING AND TECHNICAL SOCIETY EXHIBITS

#### NATIONAL SCIENCE FOUNDATION BOOTH

### EAST CHEMISTRY BUILDING

Chemical Magic Show

Products

Instrumentation

Chemical Pop

### METALLURGY AND MINING BUILDING

Powder Metallurgy  
Bubble Raft  
Heat Treatment of Ferrous Materials  
A.S.M. Photo-Micrograph

Curriculum Information Booth

### CIVIL ENGINEERING BUILDING

#### CIVIL ENGINEERING

Computer Game  
Construction of Assembly Hall

#### HYDRAULICS ENGINEERING

Air Cushion Craft  
Electronically Controlled Rain  
Chi Epsilon Display

#### SANITARY ENGINEERING

Role of Sanitary Engineering in the Space Age  
Conversion of Organic Waste to Useful Energy

#### STRUCTURAL ENGINEERING

#### TRAFFIC ENGINEERING

Radar Used in Traffic Engineering  
C. C. Wiley License Plate Collection  
Master Traffic Signal Control

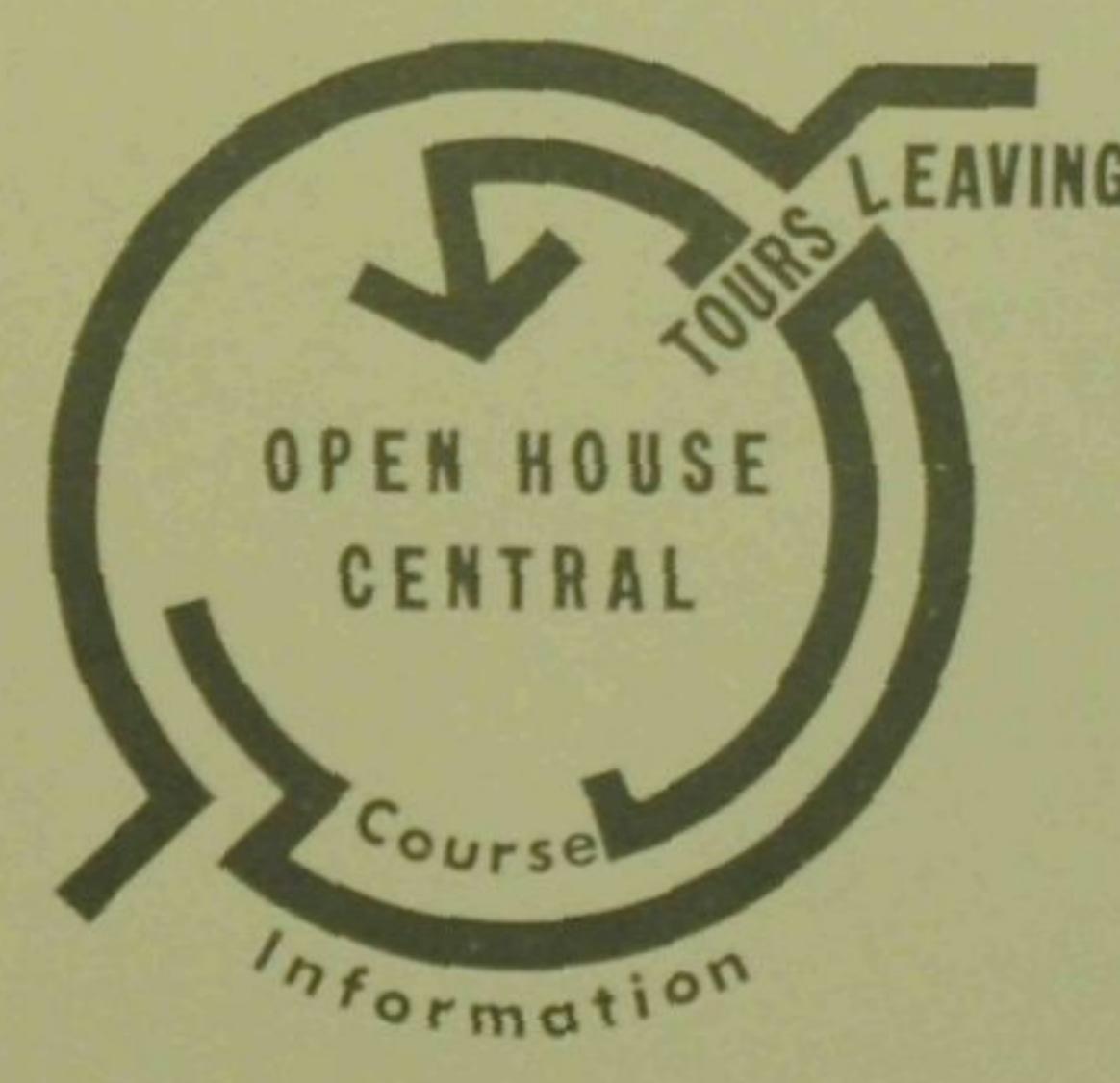
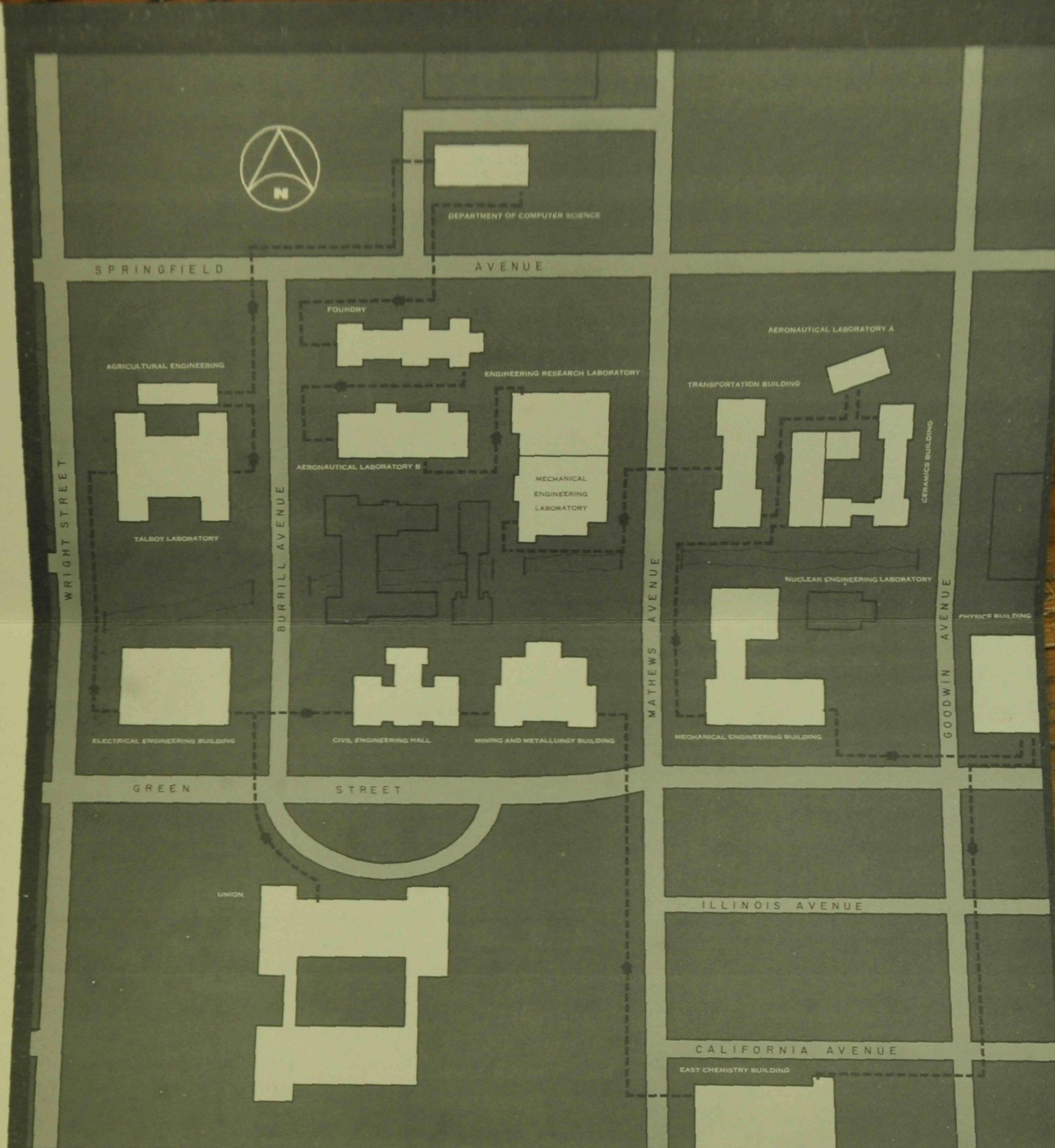
#### RAILWAY ENGINEERING

#### HIGHWAY ENGINEERING

Model of Chicago Expressway System

Highway Model Test Track

### ARMY DISPLAY ON MATHEWS STREET



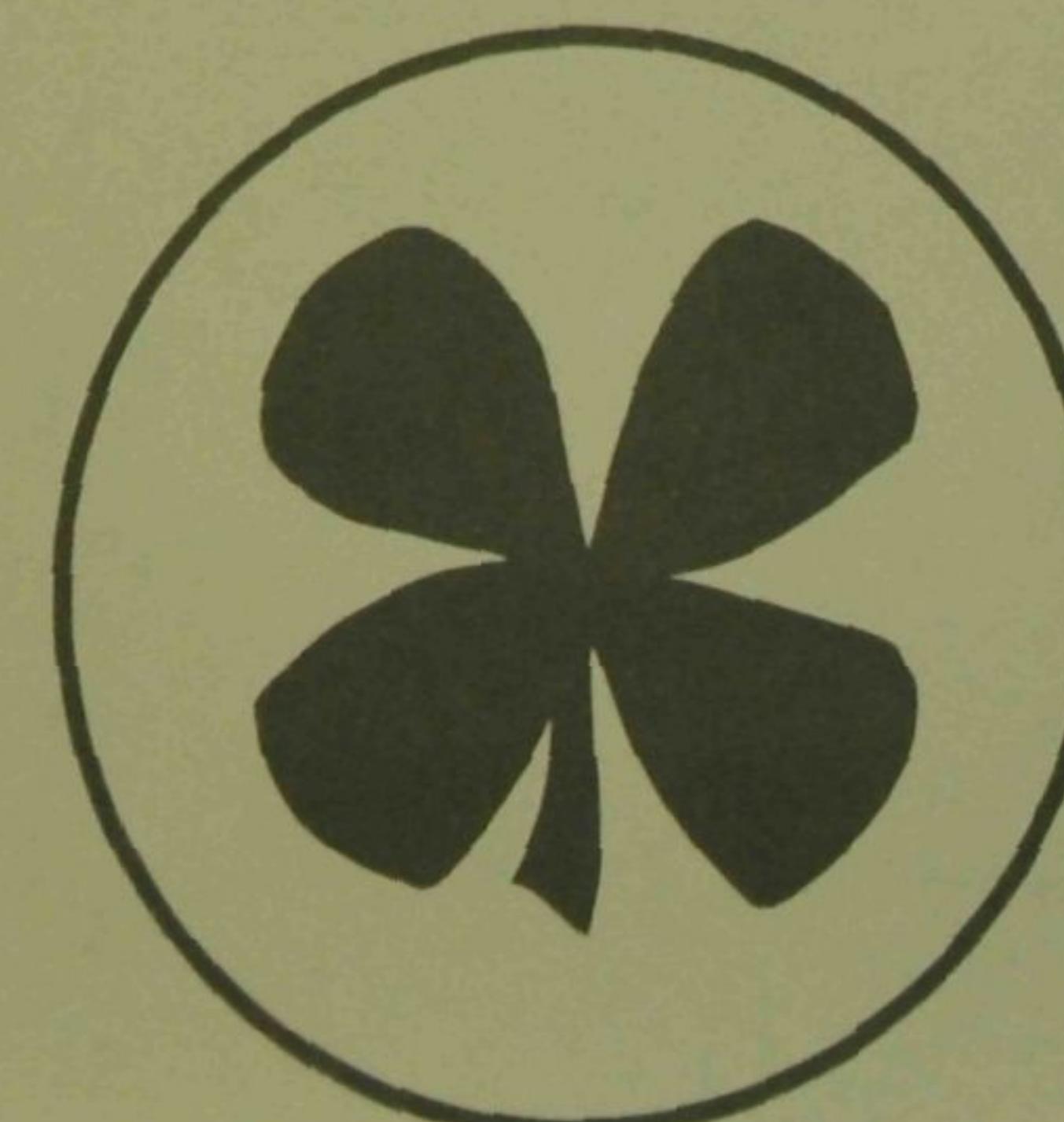
## OPEN HOUSE CENTRAL

ROOM 200, ILLINI UNION

- CURRICULUM INFORMATION
- REQUIREMENT INFORMATION
- PROPOSED COURSES OF STUDY
- MEET FACULTY

## JETS

The Junior Engineering and Technical Society is holding its 13th Annual Exposition and Conference for the Midwest Region and are displaying in the Physics Building.



Engineering Council is sponsoring the St. Pat's Ball, Saturday, March 13, from 9 PM to 1 AM in the Illini Union, Rooms A, B, and C. Music will be provided by Bobby Christian and his 16-piece orchestra.

Special tours of U. of I. Engineering research facilities will leave from Open House Central (Room 200, Illini Union).